

CV Sciences Certificate of Analysis



This document is to certify that units of the lot number below were tested and found to comply with CV Sciences finished product specifications.

SAMPLE ID:

PRODUCT NAME:

Strength:

Lot Number:

Expiration Date:

CANNABINOIDS*

MG/UNIT

METHOD

CBD

CBDA

d9-THC

THCA-A

d8-THC

THCV

CBDV

CBDVA

CBGA

CBG

CBN

CBC

CBL

Total Cannabinoids

Sample Size

THC by Mass

HEAVY METALS*

STATUS (PASS/FAIL)

METHOD

Arsenic

Cadmium

Mercury

Lead

CV Sciences Certificate of Analysis



MICROBIOLOGY*	STATUS (PASS/FAIL)	METHOD
Mold/Mildew/Yeast		
Aerobic Bacteria		
Coliforms		
E. Coli		
Salmonella		
Pseudomonas		

PESTICIDES**	STATUS (PASS/FAIL)	METHOD
Total Pesticides		
Mycotoxins	Pass	

RESIDUAL SOLVENTS**	STATUS (PASS/FAIL)	METHOD
Total Residual Solvents		

1. The hemp extract is the product of a batch tested by the independent testing laboratory;
2. The batch contained a total delta-9-tetrahydrocannabinol concentration that did not exceed 0.3 percent pursuant to the testing of random sample of the batch; and
3. The batch does not contain contaminants unsafe for human consumption.†

†Tested analytes and limits were set by CV Sciences, Inc.

DB Labs Sample ID #:

*Actual analytical results obtained by DB Labs (Las Vegas, NV), CV Sciences' third-party testing laboratory.

Anresco Laboratories Sample ID #:

**Actual analytical results obtained by Anresco Laboratories (San Francisco, CA), CV Sciences' third-party testing laboratory.

QUALITY APPROVAL

Prepared By / Date	Approved By / Date	Status
Vandana Kothari	 <small>Signed by Vandana Kothari</small> <small>I approve this document</small> <small>08-Nov-2024 13:27 PST</small> <small>87A410FFF03248738900BEED0868E359</small>	



721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Aura Serene Gummy
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)



Certificate of Analysis
Compliance Test

Client Information:

SUNFLOWER HEMP CO.
3002 N ROTARY TERRACE
PITTSBURG, KS 66762

Batch # CVS290-101624
Batch Date: 2024-10-16
Extracted From: Hemp

Test Reg State: Florida

Order # SUN241028-020001
Order Date: 2024-10-28
Sample # AAGB901

Sampling Date: 2024-10-29
Lab Batch Date: 2024-10-29
Completion Date: 2024-10-31

Initial Gross Weight: 101.000 g
Net Weight: 100.000 g

Number of Units: 1
Net Weight per Unit: 5000.000 mg



Potency Tested

Product Image

Potency 10
Specimen Weight: 1512.600 mg

Tested
SOP13.001 (LCUV)

Potency Summary

Total Active THC 0.206% 10.300 mg	Total Active CBD 0.058% 2.900 mg
Total CBG None Detected	Total CBN None Detected
Total Cannabinoids 0.264% 13.200 mg	

Pieces For Panel: 20

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-9 THC	10.000	1.30E-5	0.015	2.060	0.206
CBD	10.000	5.40E-5	0.015	0.580	0.058
CBC	10.000	1.80E-5	0.015	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.015	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.015	<LOQ	<LOQ
CBN	10.000	1.40E-5	0.015	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.015	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	10.000			0.580	0.058
Total Active THC	10.000			2.060	0.206

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCv = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Sample not received via laboratory sampling. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Sample not received via laboratory sampling.
This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.

October 26, 2024

CV SCIENCES, INC.9530 Padgett Street, Suite 107
San Diego, CA 92126Order No. 562544
Sample No. 1252559**SAMPLE INFORMATION**

Description FP-24-0104 Aura collection Serene gummy Alpine Apple 10mg THC 2mg CBD with Myrcene 20ct
10/26 SKU 420

Lot Number CVS290-101624

Category (Type) Non-Inhalable Edible (Gummy)

Received October 23, 2024

ANALYTICAL RESULTS

Analysis Pesticide Screen ✔ Pass

Instrument Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Method MF-CHEM-13

Analysis Date October 23, 2024 to October 26, 2024

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Acephate	0.02/0.06	ND	5.0	Pass
Acequinocyl	0.04/0.10	ND	4.0	Pass
Acetamiprid	0.017/0.05	ND	5.0	Pass
Aldicarb	0.02/0.06	ND	0.02	Pass
Azoxystrobin	0.02/0.06	ND	40.0	Pass
Bifenazate	0.02/0.06	ND	5.0	Pass
Bifenthrin	0.04/0.10	ND	0.5	Pass
Boscalid	0.02/0.06	ND	10.0	Pass
Captan	0.2/0.6	ND	5.0	Pass
Carbaryl	0.02/0.06	ND	0.5	Pass
Carbofuran	0.017/0.05	ND	0.017	Pass
Chlorantraniliprole	0.02/0.06	ND	40.0	Pass
Chlordane	0.02/0.06	ND	0.02	Pass
Chlorfenapyr	0.02/0.06	ND	0.02	Pass
Chlorpyrifos	0.02/0.06	ND	0.02	Pass
Clofentezine	0.02/0.06	ND	0.5	Pass
Coumaphos	0.02/0.06	ND	0.02	Pass
Cyfluthrin	0.10/0.30	ND	1.0	Pass
Cypermethrin	0.10/0.30	ND	1.0	Pass
Daminozide	0.017/0.05	ND	0.017	Pass
DDVP (Dichlorvos)	0.013/0.04	ND	0.013	Pass
Diazinon	0.017/0.05	ND	0.2	Pass
Dimethoate	0.017/0.05	ND	0.017	Pass
Dimethomorph	0.017/0.05	ND	20.0	Pass
Ethoprop(hos)	0.02/0.06	ND	0.02	Pass
Etofenprox	0.02/0.06	ND	0.02	Pass
Etoxazole	0.02/0.06	ND	1.5	Pass
Fenhexamid	0.017/0.05	ND	10.0	Pass
Fenoxycarb	0.02/0.06	ND	0.02	Pass

If there are any questions with this report, please contact "compliance@anresco.com".

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Fenpyroximate	0.02/0.06	ND	2.0	Pass
Fipronil	0.02/0.06	ND	0.02	Pass
Flonicamid	0.02/0.06	ND	2.0	Pass
Fludioxonil	0.02/0.06	ND	30.0	Pass
Hexythiazox	0.02/0.06	ND	2.0	Pass
Imazalil	0.02/0.06	ND	0.02	Pass
Imidacloprid	0.02/0.06	ND	3.0	Pass
Kresoxim Methyl	0.02/0.06	ND	1.0	Pass
Malathion	0.017/0.05	ND	5.0	Pass
Metalaxyl	0.017/0.05	ND	15.0	Pass
Methiocarb	0.02/0.06	ND	0.02	Pass
Methomyl	0.013/0.04	ND	0.1	Pass
Methyl parathion	0.02/0.06	ND	0.02	Pass
Mevinphos	0.02/0.06	ND	0.02	Pass
Myclobutanil	0.02/0.06	ND	9.0	Pass
Naled	0.017/0.05	ND	0.5	Pass
Oxamyl	0.013/0.04	ND	0.2	Pass
Paclbutrazol	0.02/0.06	ND	0.02	Pass
Pentachloronitrobenzene	0.017/0.05	ND	0.2	Pass
Permethrins	0.10/0.30	ND	20.0	Pass
Phosmet	0.02/0.06	ND	0.2	Pass
Piperonyl Butoxide	0.017/0.05	ND	8.0	Pass
Prallethrin	0.04/0.10	ND	0.4	Pass
Propiconazole	0.02/0.06	ND	20.0	Pass
Propoxur	0.013/0.04	ND	0.013	Pass
Pyrethrins	0.15/0.50	ND	1.0	Pass
Pyridaben	0.017/0.05	ND	3.0	Pass
Spinetoram	0.02/0.06	ND	3.0	Pass
Spinosad	0.02/0.06	ND	3.0	Pass
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.02/0.06	ND	13.0	Pass
Spiroxamine	0.017/0.05	ND	0.017	Pass
Tebuconazole	0.02/0.06	ND	2.0	Pass
Thiacloprid	0.013/0.04	ND	0.013	Pass
Thiamethoxam	0.02/0.06	ND	4.5	Pass
Trifloxystrobin	0.02/0.06	ND	30.0	Pass

Reported by
Anresco, Inc.

ND = None Detected
LOD = Limit of Detection
LOQ = Limit of Quantitation




Amy Lee
Senior Analyst

October 26, 2024

If there are any questions with this report, please contact "compliance@anresco.com".

October 25, 2024

CV SCIENCES, INC.
 9530 Padgett Street, Suite 107
 San Diego, CA 92126

Order No. 562544
 Sample No. 1252559

SAMPLE INFORMATION

Description FP-24-0104 Aura collection Serene gummy Alpine Apple 10mg THC 2mg CBD with Myrcene 20ct
 10/26 SKU 420
Lot Number CVS290-101624
Category (Type) Non-Inhalable Edible (Gummy)
Received October 23, 2024

ANALYTICAL RESULTS

Analysis Residual Solvent Screen ✔ Pass
Instrument Gas Chromatography Mass Spectrometry (GC/MS)
Method MF-CHEM-32
Analysis Date October 23, 2024 to October 25, 2024

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.5/0.5	ND	1	Pass
Acetone	57/200	ND	5000	Pass
Acetonitrile	56/200	ND	410	Pass
Benzene	0.5/0.5	ND	1	Pass
n-Butane	45/200	ND	5000	Pass
Chloroform	0.5/0.5	ND	1	Pass
Ethanol	37/200	ND	5000	Pass
Ethyl acetate	38/200	ND	5000	Pass
Ethyl ether	37/200	ND	5000	Pass
Ethylene oxide	0.1/0.5	ND	1	Pass
n-Heptane	135/200	ND	5000	Pass
n-Hexane	49/200	ND	290	Pass
Isopropyl alcohol	57/200	ND	5000	Pass
Methanol	37/200	ND	3000	Pass
Methylene chloride	0.1/0.5	ND	1	Pass
n-Pentane	37/200	ND	5000	Pass
Propane	72/200	ND	5000	Pass
Toluene	49/200	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	58/200	ND	2170	Pass
Trichloroethylene	0.5/0.5	ND	1	Pass

Reported by
Anresco, Inc.

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 LOD = Limit of Detection
 LOQ = Limit of Quantitation



Eric Tam
 Senior Chemist

October 25, 2024

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October 26, 2024

CV SCIENCES, INC.
9530 Padgett Street, Suite 107
San Diego, CA 92126

Order No. 562544
Sample No. 1252559

SAMPLE INFORMATION

Description FP-24-0104 Aura collection Serene gummy Alpine Apple 10mg THC 2mg CBD with Myrcene 20ct
10/26 SKU 420
Lot Number CVS290-101624
Category (Type) Non-Inhalable Edible (Gummy)
Received October 23, 2024

ANALYTICAL RESULTS

Analysis Mycotoxins Screen ✔ Pass
Instrument Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)
Method MF-CHEM-13
Analysis Date October 23, 2024 to October 26, 2024

Analyte	LOD/LOQ (ppb)	Findings (ppb)	Limit (ppb)	Status
Aflatoxin B1	2/5	ND	-	-
Aflatoxin B2	2/5	ND	-	-
Aflatoxin G1	2/5	ND	-	-
Aflatoxin G2	2/5	ND	-	-
Total Aflatoxins	8/20	ND	20	Pass
Ochratoxin A	6/18	ND	20	Pass

Reported by
Anresco, Inc.

ND = None Detected
LOD = Limit of Detection
LOQ = Limit of Quantitation




Amy Lee
Senior Analyst

October 26, 2024

If there are any questions with this report, please contact "compliance@anresco.com".

October 29, 2024

CV SCIENCES, INC.
9530 Padgett Street, Suite 107
San Diego, CA 92126Order No. 562544
Sample No. 1252559

SAMPLE INFORMATION

Description FP-24-0104 Aura collection Serene gummy Alpine Apple 10mg THC 2mg CBD with Myrcene 20ct 10/26 SKU 420
Lot Number CVS290-101624
Received October 23, 2024

ANALYTICAL RESULTS

Analysis Date October 23, 2024 to October 29, 2024

Findings	Analysis	Results	Method
	Standard Plate Count	20 cfu/g	FDA BAM
	Yeast	<10 cfu/g	FDA BAM
	Mold	<10 cfu/g	FDA BAM
	Coliforms	<10 cfu/g	FDA BAM - ECC AGAR
	Escherichia coli	<10 cfu/g	FDA BAM - ECC AGAR
	Salmonella	Negative /25g	MF-MICRO-11 (AOAC 2016.01)
	Staph aureus	Negative /25g	USP <62>

Reported by
Anresco, Inc.Allen Zhu
AnalystIf there are any questions with this report, please contact "compliance@anresco.com".

page 1 of 1

October 25, 2024

CV SCIENCES, INC.9530 Padgett Street, Suite 107
San Diego, CA 92126Order No. 562544
Sample No. 1252559**SAMPLE INFORMATION**

Description FP-24-0104 Aura collection Serene gummy Alpine Apple 10mg THC 2mg CBD with Myrcene 20ct
10/26 SKU 420

Lot Number CVS290-101624

Category (Type) Non-Inhalable Edible (Gummy)

Received October 23, 2024

ANALYTICAL RESULTS

Analysis Heavy Metals ✔ Pass

Instrument Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Method MF-CHEM-16

Analysis Date October 23, 2024 to October 25, 2024

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	3	Pass
Lead	0.02/0.125	ND	0.5	Pass

Reported by
Anresco, Inc.ND = None Detected
LOD = Limit of Detection
LOQ = Limit of QuantitationEric Tam
Senior Chemist

October 25, 2024

If there are any questions with this report, please contact "compliance@anresco.com".

October 25, 2024

CV SCIENCES, INC.
9530 Padgett Street, Suite 107
San Diego, CA 92126

Order No. 562544
Sample No. 1252559

SAMPLE INFORMATION

Description FP-24-0104 Aura collection Serene gummy Alpine Apple 10mg THC 2mg CBD with Myrcene 20ct
10/26 SKU 420
Lot Number CVS290-101624
Category (Type) Non-Inhalable Edible (Gummy)
Received October 23, 2024

ANALYTICAL RESULTS

Analysis Water Activity
Instrument Water Activity Meter
Method MF-CHEM-14
Analysis Date October 23, 2024 to October 25, 2024

Analyte	Findings	Limit	Status
Water Activity	0.57	0.85	Pass

Reported by
Anresco, Inc.

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LOD = Limit of Detection
LOQ = Limit of Quantitation



Eric Tam
Senior Chemist
October 25, 2024

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October 25, 2024

CV SCIENCES, INC.
9530 Padgett Street, Suite 107
San Diego, CA 92126

Order No. 562544
Sample No. 1252559

SAMPLE INFORMATION

Description FP-24-0104 Aura collection Serene gummy Alpine Apple 10mg THC 2mg CBD with Myrcene 20ct
10/26 SKU 420
Lot Number CVS290-101624
Category (Type) Non-Inhalable Edible (Gummy)
Received October 23, 2024

ANALYTICAL RESULTS

Analysis Terpene Profile
Instrument Gas Chromatography Mass Spectrometry (GC/MS)
Method MF-CHEM-17
Analysis Date October 23, 2024 to October 25, 2024

Terpene	LOD/LOQ (mg/g)	mg/g	%
α-Pinene	0.009/0.025	ND	ND
Isopulegol	0.009/0.025	ND	ND
Camphene	0.009/0.025	ND	ND
Menthol	0.009/0.025	ND	ND
β-Myrcene	0.009/0.025	0.118	0.0118
(-)-Borneol	0.009/0.025	ND	ND
β-Pinene	0.009/0.025	ND	ND
Terpineol	0.009/0.025	ND	ND
δ -3-Carene	0.009/0.025	ND	ND
Citronellol	0.009/0.025	ND	ND
Limonene	0.009/0.025	<LOQ	<LOQ
Geraniol	0.009/0.025	ND	ND
α-Terpinene	0.009/0.025	ND	ND
β-Caryophyllene	0.009/0.025	0.156	0.0156
trans-beta-Ocimene	0.006/0.01725	ND	ND
α-Humulene	0.009/0.025	ND	ND
cis-beta-Ocimene	0.003/0.00775	ND	ND
cis-Nerolidol	0.004/0.01025	ND	ND
p-Cymene	0.009/0.25	ND	ND
trans-Nerolidol	0.005/0.01475	ND	ND
Eucalyptol	0.009/0.025	ND	ND
Guaiol	0.009/0.25	ND	ND
γ-Terpinene	0.009/0.025	ND	ND
Caryophyllene Oxide	0.009/0.025	ND	ND
Terpinolene	0.009/0.025	ND	ND
α-Bisabolol	0.009/0.025	ND	ND
Linalool	0.009/0.025	ND	ND
Eudesmol	0.009/0.025	ND	ND
Total Terpenes	-	0.275	0.0275

If there are any questions with this report, please contact "compliance@anresco.com".

Reported by
Anresco, Inc.

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LOD = Limit of Detection
LOQ = Limit of Quantitation



Jordean Vargas
Analyst III

October 25, 2024

If there are any questions with this report, please contact "compliance@anresco.com".

Certificate Of Completion

Envelope Id: 0A038DCEE5804B8EAF42C6D152B5CC2E	Status: Completed
Subject: FP-24-0104 Serene gummy Alpine Apple 10mg THC 2mg CBD with Myrcene 20ct 10/26 SKU 420 CVS290-101624	
Source Envelope:	
Document Pages: 12	Signatures: 1
Certificate Pages: 1	Initials: 0
AutoNav: Enabled	Envelope Originator: Vandana Kothari vandana.kothari@cvsciences.com
Enveloped Stamping: Enabled	IP Address: 64.207.219.137
Time Zone: (UTC-08:00) Pacific Time (US & Canada)	

Record Tracking

Status: Original 11/5/2024 1:24:01 PM	Holder: Vandana Kothari vandana.kothari@cvsciences.com	Location: DocuSign
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Signer Events

Vandana Kothari
vandana.kothari@cvsciences.com
DIRECTOR OF QUALITY
CV Sciences - Part 11
Security Level: Email, Account Authentication (Required)

Signature



Signature Adoption: Pre-selected Style
Signature ID:
87A410FF-F032-4873-8900-BEED0868E359
Using IP Address: 75.85.176.253

With Signing Authentication via DocuSign password
With Signing Reasons (on each tab):
I approve this document

Timestamp

Sent: 11/5/2024 1:25:09 PM
Viewed: 11/8/2024 1:27:21 PM
Signed: 11/8/2024 1:28:10 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Witness Events

Signature

Timestamp

Notary Events

Signature

Timestamp

Envelope Summary Events

Status

Timestamps

Envelope Sent	Hashed/Encrypted	11/5/2024 1:25:09 PM
Certified Delivered	Security Checked	11/8/2024 1:27:21 PM
Signing Complete	Security Checked	11/8/2024 1:28:10 PM
Completed	Security Checked	11/8/2024 1:28:10 PM

Payment Events

Status

Timestamps